

Building 26 - Excavation with Offsite Disposal

Capital Costs

1. Pre-design investigation borings		\$600
Assume number of borings =	4	
Assume average depth (linear feet) =	10	
Cost per linear foot =	\$15	
2. Excavation with Offbase Disposal		\$16,889
A. Excavation of Sediments		\$1,606
Volume of Sediments (cubic yards)	46	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$2,162
Number of Confirmation Samples =	5	
Number of QA Samples =	1	
Sampling Cost per Sample Location (labor and equipment) =	\$208	
Data Validation Labor per Sample =	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$132	
TPH as Diesel	8015M	\$115
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$10,683
Volume of Soil--25% swell factor (cubic yards)	58	
Transportation and Disposal Costs per Cubic Yard	\$179	
Waste Profile Fee (One time cost)	\$300	
D. Grading of Excavation Site		\$2,438
Volume of Soil--25% swell factor (cubic yards)	58	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$17,489
	15% BID CONTINGENCY	\$2,623
	15% SCOPE CONTINGENCY	\$2,623
	5% PERMITTING COSTS	\$874
	TOTAL CAPITAL COSTS	\$23,610

O&M Costs

No O&M costs are associated with this alternative.

Building 26 - Excavation with Onsite Disposal

Capital Costs

1. Pre-design investigation borings		\$600
Assume number of borings =	4	
Assume average depth (linear feet) =	10	
Cost per linear foot =	\$15	
2. Excavation with Onbase Disposal		\$6,582
A. Excavation of Sediments		\$1,606
Volume of Sediments (cubic yards)	46	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$2,162
Number of Confirmation Samples =	5	
Number of QA Samples =	1	
Sampling Cost per Sample Location (labor and equipment) =	\$208	
Data Validation Labor per Sample =	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$132	
TPH as Diesel 8015M	\$115	
C. Onbase Disposal		\$376
Volume of Soil--25% swell factor (cubic yards)	58	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$2,438
Volume of Soil--25% swell factor (cubic yards)	58	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$7,182
	15% BID CONTINGENCY	\$1,077
	15% SCOPE CONTINGENCY	\$1,077
	5% PERMITTING COSTS	\$359
	TOTAL CAPITAL COSTS	\$9,696

O&M Costs

No O&M costs are associated with this alternative.

Building 35/39 Area - Excavation with Offsite Disposal

Capital Costs

1. Excavation with Offbase Disposal	\$12,877
A. Excavation of Sediments	\$1,558
Volume of Sediments (cubic yards)	25
Excavation Costs per Cubic Yard	\$2.31
Mobilization/Demobilization of Equipment	\$1,500
B. Post Excavation Confirmation Sampling Program	\$1,812
Number of Confirmation Samples =	3
Number of QA Samples	1
Sampling Cost per Sample Location (labor and equipment)	\$208
Data Validation Labor per Sample	\$55
Sample Analysis (per sample, includes 15% for CLP)	\$242
Pesticides 8080	\$210
C. Offbase Disposal to a Class II Hazardous Waste Landfill	\$5,850
Volume of Soil--25% swell factor (cubic yards)	31
Transportation and Disposal Costs per Cubic Yard	\$179
Waste Profile Fee (One time cost)	\$300
D. Grading of Excavation Site	\$2,341
Volume of Soil--25% swell factor (cubic yards)	31
Grading Cost per Cubic Yard	\$3.58
Mobilization/Demobilization of Equipment	\$2,230
E. Support of Outfall Pipeline	\$1,317
Volume required backfill (cubic yards) =	13
Cost per cubic yard =	\$1.31
Mobilization/Demobilization =	\$1,300
SUBTOTAL CAPITAL COSTS	\$12,877
15% BID CONTINGENCY	\$1,932
15% SCOPE CONTINGENCY	\$1,932
5% PERMITTING COSTS	\$644
TOTAL CAPITAL COSTS	\$17,384

O&M Costs

No O&M costs are associated with this alternative.

Building 35/39 Area - Excavation with Onsite Disposal

Capital Costs

1. Excavation with Onbase Disposal	\$7,368
A. Excavation of Sediments	\$1,558
Volume of Sediments (cubic yards)	25
Excavation Costs per Cubic Yard	\$2.31
Mobilization/Demobilization of Equipment	\$1,500
B. Post Excavation Confirmation Sampling Program	\$1,812
Number of Confirmation Samples =	3
Number of QA Samples	1
Sampling Cost per Sample Location (labor and equipment)	\$208
Data Validation Labor per Sample	\$55
Sample Analysis (per sample, includes 15% for CLP)	\$242
Pesticides 8080	\$210
C. Onbase Disposal	\$341
Volume of Soil--25% swell factor (cubic yards)	31
Transportation and Disposal Costs per Cubic Yard	\$1.32
Mobilization/Demobilization of Equipment	\$300
D. Grading of Excavation Site	\$2,341
Volume of Soil--25% swell factor (cubic yards)	31
Grading Cost per Cubic Yard	\$3.58
Mobilization/Demobilization of Equipment	\$2,230
E. Support of Outfall Pipeline	\$1,317
Volume required backfill (cubic yards) =	13
Cost per cubic yard =	\$1.31
Mobilization/Demobilization =	\$1,300
	SUBTOTAL CAPITAL COSTS \$7,368
	15% BID CONTINGENCY \$1,105
	15% SCOPE CONTINGENCY \$1,105
	5% PERMITTING COSTS \$368
	TOTAL CAPITAL COSTS \$9,947

O&M Costs

No O&M costs are associated with this alternative.

Building 41 Area - Excavation with Offsite Disposal

Capital Costs

1. Pre-design investigation borings	\$1,080
Assume number of borings =	6
Assume average depth (linear feet) =	12
Cost per linear foot =	\$15
2. Excavation with Offbase Disposal	\$218,934
A. Excavation of Sediments	\$3,591
Volume of Sediments (cubic yards)	907
Excavation Costs per Cubic Yard	\$2.31
Mobilization/Demobilization of Equipment	\$1,500
B. Post Excavation Confirmation Sampling Program	\$4,888
Number of Confirmation Samples	7
Number of QA Samples	1
Sampling Cost per Sample Location (labor and equipment)	\$208
Data Validation Labor per Sample	\$55
Sample Analysis (per sample, includes 15% for CLP)	\$374
TPH as Diesel 8015M	\$115
PAHs 8270	\$210
C. Offbase Disposal to a Class II Hazardous Waste Landfill	\$203,270
Volume of Soil--25% swell factor (cubic yards)	1,134
Transportation and Disposal Costs per Cubic Yard	\$179
Waste Profile Fee (One time cost)	\$300
D. Grading of Excavation Site (ditch will remain operational)	\$6,289
Volume of Soil--25% swell factor (cubic yards)	1,134
Grading Cost per Cubic Yard	\$3.58
Mobilization/Demobilization of Equipment	\$2,230

E. Asphalt/Concrete Removal	\$896
Assume volume of concrete (cubic yards) =	120
Excavation costs per cubic yard =	\$0.80
Mobilization/Demobilization of equipment =	\$800
SUBTOTAL CAPITAL COSTS	\$220,014
15% BID CONTINGENCY	\$33,002
15% SCOPE CONTINGENCY	\$33,002
5% PERMITTING COSTS	\$11,001
TOTAL CAPITAL COSTS	\$297,018

O&M Costs

No O&M costs are associated with this alternative.

Building 41 Area - Excavation with Onsite Disposal

Capital Costs

1. Pre-design investigation borings		\$1,080
Assume number of borings =	6	
Assume average depth (linear feet) =	12	
Cost per linear foot =	\$15	
2. Excavation with Onbase Disposal		\$17,457
A. Excavation of Sediments		\$3,591
Volume of Sediments (cubic yards)	907	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$4,888
Number of Confirmation Samples	7	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$374	
TPH as Diesel	8015M	\$115
PAHs	8270	\$210
C. Onbase Disposal		\$1,793
Volume of Soil--25% swell factor (cubic yards)	1,134	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$6,289
Volume of Soil--25% swell factor (cubic yards)	1,134	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	

E. Asphalt/Concrete Removal	\$896
Assume volume of concrete (cubic yards) =	120
Excavation costs per cubic yard =	\$0.80
Mobilization/Demobilization of equipment =	\$800
SUBTOTAL CAPITAL COSTS	\$18,537
15% BID CONTINGENCY	\$2,780
15% SCOPE CONTINGENCY	\$2,780
5% PERMITTING COSTS	\$927
TOTAL CAPITAL COSTS	\$25,024

O&M Costs

No O&M costs are associated with this alternative.

Building 82/87/92/94 Area and Building 86 - Excavation with Offsite Disposal

Capital Costs

1. Pre-design investigation borings	\$1,800
Assume number of borings =	8
Assume average depth (linear feet) =	15
Cost per linear foot =	\$15
2. Excavation with Offbase Disposal	\$960,181
A. Excavation of Soils	\$10,960
Volume of Soils (cubic yards)	4,103
Excavation Costs per Cubic Yard	\$2.31
Mobilization/Demobilization of Equipment	\$1,500
B. Post Excavation Confirmation Sampling Program	\$8,956
Number of Confirmation Samples	10
Number of QA Samples	2
Sampling Cost per Sample Location (labor and equipment)	\$208
Data Validation Labor per Sample	\$55
Sample Analysis (per sample, includes 15% for CLP)	\$518
Total Metals 6010/7000	\$240
PAHs 8270	\$210
C. Offbase Disposal to a Class II Hazardous Waste Landfill	\$918,474
Volume of Soil--25% swell factor (cubic yards)	5,129
Transportation and Disposal Costs per Cubic Yard	\$179
Waste Profile Fee (One time cost)	\$300
D. Grading of Excavation Site	\$20,591
Volume of Soil--25% swell factor (cubic yards)	5,129
Grading Cost per Cubic Yard	\$3.58
Mobilization/Demobilization of Equipment	\$2,230

E. Asphalt/Concrete Removal	\$1,200
Assume volume of concrete (cubic yards) =	500
Excavation costs per cubic yards per hour =	\$0.80
Mobilization/Demobilization of equipment =	\$800
SUBTOTAL CAPITAL COSTS	\$961,981
15% BID CONTINGENCY	\$144,297
15% SCOPE CONTINGENCY	\$144,297
5% PERMITTING COSTS	\$48,099
TOTAL CAPITAL COSTS	\$1,298,674

O&M Costs

No O&M costs are associated with this alternative.

Building 82/87/92/94 Area and Building 86 - Excavation with Onsite Disposal

Capital Costs

1. Pre-design investigation borings		\$1,800
Assume number of borings =	8	
Assume average depth (linear feet) =	15	
Cost per linear foot =	\$15	
2. Excavation with Onbase Disposal		\$48,759
A. Excavation of Soils		\$10,960
Volume of Soils (cubic yards)	4,103	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$8,956
Number of Confirmation Samples	10	
Number of QA Samples	2	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$518	
Total Metals	6010/7000	\$240
PAHs	8270	\$210
C. Onbase Disposal		\$7,052
Volume of Soil--25% swell factor (cubic yards)	5,129	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$20,591
Volume of Soil--25% swell factor (cubic yards)	5,129	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	

E. Asphalt/Concrete Removal	\$1,200
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Assume volume of concrete (cubic yards) =	500
Excavation costs per cubic yards per hour =	\$0.80
Mobilization/Demobilization of equipment =	\$800

SUBTOTAL CAPITAL COSTS	\$50,559
15% BID CONTINGENCY	\$7,584
15% SCOPE CONTINGENCY	\$7,584
5% PERMITTING COSTS	\$2,528
TOTAL CAPITAL COSTS	\$68,254

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch - Excavation with Offsite Disposal

Capital Costs

1. Excavation with Offbase Disposal		\$3,334,820
A. Excavation of Sediments		\$34,460
Volume of Sediments (cubic yards)		14,296
Excavation Costs per Cubic Yard		\$2.31
Mobilization/Demobilization of Equipment		\$1,500
B. Post Excavation Confirmation Sampling Program		\$34,678
Number of Confirmation Samples		40
Number of QA Samples		6
Sampling Cost per Sample Location (labor and equipment)		\$208
Data Validation Labor per Sample		\$55
Sample Analysis (per sample, includes 15% for CLP)		\$518
Pesticides 8080	\$210	
Total Metals 6010/7000	\$240	
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$3,199,477
Volume of Soil--25% swell factor (cubic yards)		17,870
Transportation and Disposal Costs per Cubic Yard		\$179
Waste Profile Fee (One time cost)		\$300
D. Grading of Excavation Site		\$66,205
Volume of Soil--25% swell factor (cubic yards)		17,870
Grading Cost per Cubic Yard		\$3.58
Mobilization/Demobilization of Equipment		\$2,230
	SUBTOTAL CAPITAL COSTS	\$3,334,820
	15% BID CONTINGENCY	\$500,223
	15% SCOPE CONTINGENCY	\$500,223
	5% PERMITTING COSTS	\$166,741
	TOTAL CAPITAL COSTS	\$4,502,006

O&M Costs

No O&M costs are associated with this alternative.

Capital Costs

O&M Costs

HAAF FFS - Final

Perimeter Drainage Ditch Spoils Pile A - Excavation with Offsite Disposal

Capital Costs

1. Pre-design investigation borings		\$180
Assume number of borings =	4	
Assume average depth (linear feet) =	3	
Cost per linear foot =	\$15	
2. Excavation with Offbase Disposal		\$41,222
A. Excavation of Sediments		\$1,857
Volume of Sediments (cubic yards)	155	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$1,409
Number of Confirmation Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$276	
Total Metals 6010/7000	\$240	
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$35,031
Volume of Soil--25% swell factor (cubic yards)	194	
Transportation and Disposal Costs per Cubic Yard	\$179	
Waste Profile Fee (One time cost)	\$300	
D. Grading of Excavation Site		\$2,925
Volume of Soil--25% swell factor (cubic yards)	194	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$41,402
	15% BID CONTINGENCY	\$6,210
	15% SCOPE CONTINGENCY	\$6,210
	5% PERMITTING COSTS	\$2,070
	TOTAL CAPITAL COSTS	\$55,892

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile A - Excavation with Onsite Disposal

Capital Costs

1. Pre-design investigation borings		\$180
Assume number of borings =	4	
Assume average depth (linear feet) =	3	
Cost per linear foot =	\$15	
2. Excavation with Onbase Disposal		\$6,746
A. Excavation of Sediments		\$1,857
Volume of Sediments (cubic yards)	155	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$1,409
Number of Confirmation Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$276	
Total Metals 6010/7000	\$240	
C. Onbase Disposal		\$555
Volume of Soil--25% swell factor (cubic yards)	194	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$2,925
Volume of Soil--25% swell factor (cubic yards)	194	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$6,926
	15% BID CONTINGENCY	\$1,039
	15% SCOPE CONTINGENCY	\$1,039
	5% PERMITTING COSTS	\$346
	TOTAL CAPITAL COSTS	\$9,350

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile B - Excavation with Offsite Disposal

Capital Costs

1. Pre-design investigation borings		\$180
Assume number of borings =	4	
Assume average depth (linear feet) =	3	
Cost per linear foot =	\$15	
2. Excavation with Offbase Disposal		\$91,208
A. Excavation of Sediments		\$2,358
Volume of Sediments (cubic yards)	372	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$1,409
Number of Confirmation Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$276	
Total Metals 6010/7000	\$240	
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$83,547
Volume of Soil--25% swell factor (cubic yards)	465	
Transportation and Disposal Costs per Cubic Yard	\$179	
Waste Profile Fee (One time cost)	\$300	
D. Grading of Excavation Site		\$3,895
Volume of Soil--25% swell factor (cubic yards)	465	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$91,388
	15% BID CONTINGENCY	\$13,708
	15% SCOPE CONTINGENCY	\$13,708
	5% PERMITTING COSTS	\$4,569
	TOTAL CAPITAL COSTS	\$123,374

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile B - Excavation with Onsite Disposal

Capital Costs

1. Pre-design investigation borings		\$180
Assume number of borings =	4	
Assume average depth (linear feet) =	3	
Cost per linear foot =	\$15	
2. Excavation with Onbase Disposal		\$8,574
A. Excavation of Sediments		\$2,358
Volume of Sediments (cubic yards)	372	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Confirmation Sampling Program		\$1,409
Number of Confirmation Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$276	
Total Metals 6010/7000	\$240	
C. Onbase Disposal		\$912
Volume of Soil--25% swell factor (cubic yards)	465	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$3,895
Volume of Soil--25% swell factor (cubic yards)	465	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$8,754
	15% BID CONTINGENCY	\$1,313
	15% SCOPE CONTINGENCY	\$1,313
	5% PERMITTING COSTS	\$438
	TOTAL CAPITAL COSTS	\$11,817

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile D - Excavation with Offsite Disposal

Capital Costs

1. Excavation with Offbase Disposal		\$44,625
A. Excavation of Sediments		\$1,894
Volume of Sediments (cubic yards)	171	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment		\$1,500
B. Post Excavation Verification Sampling Program		\$1,307
Number of Verification Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$242	
Pesticides	8080	\$210
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$38,432
Volume of Soil--25% swell factor (cubic yards)	213	
Transportation and Disposal Costs per Cubic Yard	\$179	
Waste Profile Fee (One time cost)		\$300
D. Grading of Excavation Site		\$2,993
Volume of Soil--25% swell factor (cubic yards)	213	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment		\$2,230
	SUBTOTAL CAPITAL COSTS	\$44,625
	15% BID CONTINGENCY	\$6,694
	15% SCOPE CONTINGENCY	\$6,694
	5% PERMITTING COSTS	\$2,231
	TOTAL CAPITAL COSTS	\$60,244

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile D - Excavation with Onsite Disposal

Capital Costs

1. Excavation with Onbase Disposal		\$6,774
A. Excavation of Sediments		\$1,894
Volume of Sediments (cubic yards)	171	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment		\$1,500
B. Post Excavation Verification Sampling Program		\$1,307
Total Excavated Area (Acres)	0.11	
Number of Verification Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$242	
Pesticides	8080	\$210
C. Onbase Disposal		\$580
Volume of Soil--25% swell factor (cubic yards)	213	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment		\$300
D. Grading of Excavation Site		\$2,993
Volume of Soil--25% swell factor (cubic yards)	213	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment		\$2,230
	SUBTOTAL CAPITAL COSTS	\$6,774
	15% BID CONTINGENCY	\$1,016
	15% SCOPE CONTINGENCY	\$1,016
	5% PERMITTING COSTS	\$339
	TOTAL CAPITAL COSTS	\$9,144

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile E - Excavation with Offsite Disposal

Capital Costs

1. Excavation with Offbase Disposal	\$41,857
A. Excavation of Sediments	\$1,864
Volume of Sediments (cubic yards)	158
Excavation Costs per Cubic Yard	\$2.31
Mobilization/Demobilization of Equipment	\$1,500
B. Post Excavation Confirmation Sampling Program	\$1,307
Number of Confirmation Samples	2
Number of QA Samples	1
Sampling Cost per Sample Location (labor and equipment)	\$208
Data Validation Labor per Sample	\$55
Sample Analysis (per sample, includes 15% for CLP)	\$242
Pesticides 8080	\$210
C. Offbase Disposal to a Class II Hazardous Waste Landfill	\$35,747
Volume of Soil--25% swell factor (cubic yards)	198
Transportation and Disposal Costs per Cubic Yard	\$179
Waste Profile Fee (One time cost)	\$300
D. Grading of Excavation Site	\$2,939
Volume of Soil--25% swell factor (cubic yards)	198
Grading Cost per Cubic Yard	\$3.58
Mobilization/Demobilization of Equipment	\$2,230
	SUBTOTAL CAPITAL COSTS \$41,857
	15% BID CONTINGENCY \$6,279
	15% SCOPE CONTINGENCY \$6,279
	5% PERMITTING COSTS \$2,093
	TOTAL CAPITAL COSTS \$56,507

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile E - Excavation with Onsite Disposal

Capital Costs

1. Excavation with Onsite Disposal		\$5,701
A. Excavation of Sediments		\$1,864
Volume of Sediments (cubic yards)	158	
Excavation Costs per Cubic Yard	\$2.31	
Mobilization/Demobilization of Equipment	\$1,500	
B. Post Excavation Verification Sampling Program		\$1,307
Total Excavated Area (Acres)	0.10	
Number of Verification Samples	2	
Number of QA Samples	1	
Sampling Cost per Sample Location (labor and equipment)	\$208	
Data Validation Labor per Sample	\$55	
Sample Analysis (per sample, includes 15% for CLP)	\$242	
Pesticides	8080	\$210
C. Onsite Disposal		\$300
Volume of Soil--25% swell factor (cubic yards)	0	
Transportation and Disposal Costs per Cubic Yard	\$1.32	
Mobilization/Demobilization of Equipment	\$300	
D. Grading of Excavation Site		\$2,230
Volume of Soil--25% swell factor (cubic yards)	0	
Grading Cost per Cubic Yard	\$3.58	
Mobilization/Demobilization of Equipment	\$2,230	
	SUBTOTAL CAPITAL COSTS	\$5,701
	15% BID CONTINGENCY	\$855
	15% SCOPE CONTINGENCY	\$855
	5% PERMITTING COSTS	\$285
	TOTAL CAPITAL COSTS	\$7,697

O&M Costs

No O&M costs are associated with this alternative.

Perimeter Drainage Ditch Spoils Pile F - Excavation with Offsite Disposal

Capital Costs

1. Excavation with Offbase Disposal		\$135,041
A. Excavation of Sediments		\$2,766
Volume of Sediments (cubic yards)		549
Excavation Costs per Cubic Yard		\$2.31
Mobilization/Demobilization of Equipment		\$1,500
B. Post Excavation Confirmation Sampling Program		\$4,478
Number of Confirmation Samples		5
Number of QA Samples		1
Sampling Cost per Sample Location (labor and equipment)		\$208
Data Validation Labor per Sample		\$55
Sample Analysis (per sample, includes 15% for CLP)		\$518
Total Metals 6010/7000	\$240	
Pesticides 8080	\$210	
C. Offbase Disposal to a Class II Hazardous Waste Landfill		\$123,111
Volume of Soil--25% swell factor (cubic yards)		686
Transportation and Disposal Costs per Cubic Yard		\$179
Waste Profile Fee (One time cost)		\$300
D. Grading of Excavation Site		\$4,686
Volume of Soil--25% swell factor (cubic yards)		686
Grading Cost per Cubic Yard		\$3.58
Mobilization/Demobilization of Equipment		\$2,230
	SUBTOTAL CAPITAL COSTS	\$135,041
	15% BID CONTINGENCY	\$20,256
	15% SCOPE CONTINGENCY	\$20,256
	5% PERMITTING COSTS	\$6,752
	TOTAL CAPITAL COSTS	\$182,305

O&M Costs

No O&M costs are associated with this alternative.

Capital Costs

O&M Costs

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